

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Canceled)

2. (Canceled)

3. (Currently amended) Device according to Claim 2 6, wherein said wall defines a substantially annular window through said shield and which is made of substantially elastic material.

4. (Currently amended) Device according to Claim 3 6, wherein said support wall presents a continuous sealing lip which is arranged in direct contact with a lateral surface of the said sensor and which presents a substantially conical conformation which is arranged in such a way that its own top part is opposite the rolling bearing in relation to the shield.

5. (Currently amended) Device according to Claim 3 6, wherein said shield comprises a support element which presents a rigidity which is greater than a rigidity of said support wall, and which is arranged in substantial contact with one of said two races.

6. (new) Sealing device with a sensor for a rolling bearing, the sealing device comprising:

a sealing shield which is mounted between two races of the rolling bearing;  
an encoder wheel which is arranged inside the rolling bearing between the two races and the shield; and

a detecting sensor comprising a detection surface which is arranged frontally in relation to the encoder wheel in a respective housing which is presented by the shield; and

wherein the housing comprises an elastic support wall which supports the sensor in a stable operating configuration suitable for detecting, in which the detection surface directly faces the encoder wheel.